

# VTPC150VS

ISO  
9001:2008  
REGISTERED



**VARTECH**  
SYSTEMS INC.

Solutions for Demanding Applications

## VTPC150VS NEMA 4X (IP66) Fully Enclosed LCD & Computer



VarTech's multi-functional, user friendly, industrial grade VESA mount 15" NEMA 4X (IP66) fully enclosed touch screen computer offers extensive features, is housed in a gasket sealed 316-type stainless steel enclosure, is incorporated with a 400 nit (cd/m<sup>2</sup>) bright active matrix TFT display and is integrated with Intel's Atom N270 1.6GHz Processing Technology. The system has no external vents, so nothing can get under its skin; including weather, dust, dirt, moisture, oil, chemicals or other harsh contaminants. With its lightweight yet rugged construction and either pre-cabled or bulkhead connectors, these models are easily mounted on walls, stands, arms or other industrial equipment. With optional brackets, it conforms to VESA mounting standards.

## SPECIFICATIONS

### FEATURES

- 15" Bright Active Matrix TFT Display, 400 nits (cd/m<sup>2</sup>)
- Powered by Intel Atom N270 1.6GHz Processor
- 2 GB 200-pin SO-DIMM DDR 333/400MHz
- 320 GB SATA Fast Access Disk Drive Standard (Up to 1TB Available)
- Fully-Enclosed, Gasket Sealed NEMA 4X (IP66) Stainless Steel Enclosure
- Resistive Touch Screen Standard (other technologies available)
- Windows XP Professional Operating System (optional Windows Embedded or Windows 7)
- High Contrast Ratio & Definition, Outstanding Vivid Color & Image Quality
- Wide Color Gamut
- 16.8 million colors
- Energy Efficient, Low Power Consumption
- High Environmental Performance and Reliability
- Anti-Reflective Protective Window
- XGA (1024 x 768) Resolution
- Wide Operational Temperature Range, -10°C to +60°C (14°F to +140°F) (optional extended temperature ranges available)
- RoHS Compliant
- Engineered and Manufactured by VarTech Systems, an ISO 9001 Registered Company
- Engineered, Fabricated and Assembled in the USA
- Two (2) Year Warranty

### Display

15" XGA TFT LCD

### Resolution

1024 x 768

### Viewing Angle

140° (H) / 120° (V)

### Pixel Pitch

0.294mm

### Display Colors

16.7M

### Brightness

400 cd/m<sup>2</sup>

### Contrast Ratio

500:1

### Response Time

7 ms

### Power Input

100-240 VAC 1.5A 50/60 Hz

#### Optional:

9-36VDC

### Power Consumption

42W

### Processor

Intel® Atom™ N270, 1.6 GHz Processor with a 533 Mhz FSB

### BIOS

AMI BIOS

### O/S

Windows XP Professional (optional Windows Embedded Standard or Windows 7)

### System Memory

2GB DDR2 533 SO-DIMM

#### With Optional Dual Core CPU:

4GB DDR2 PC2-5300 Ram

### Hard Drive

320GB Fast Access SATA Standard (Up to 1TB Available)

### VGA

Intel Generation 3.5 integrated GFX Core (133Mhz)

### Sealed I/O

1 Power Connector

1 LAN port (2 LAN Optional)

2 RS-232 COM port

3 USB 2.0 ports

#### I/O with optional Dual Core CPU:

3 USB, 2 Serial, 1 LAN connector

### LAN

PCIe Realtek 8111CP GbE

### Connections

Sealed connections for USB, Serial, Ethernet, and Power

### Temperature

Operational: -10° to 60°C (14 to 140F)

Storage: -20° to 65°C (-4 to 149F)

### Weight

21 lb

### Humidity

Operational: 0 to 90% RH NC

Storage: 0 to 95% RH NC

### Touch Screen

Resistive Standard

### Construction

Fully Enclosed, NEMA 4X (IP66) 316 - Stainless Steel, Gasketed

### Dimensions:

16.15" (W) x 15.96" (H) x 5.21" (D)

Height is 12.09" when not allowing for connections at bottom

### Approximate Shipping Dimensions and Weight

24" x 21" x 10" (WxLxH) / 26lbs.

### Marks of Conformity:

Product Safety: UL60950-1/CSA C22.2 No. 60590-1 (2006/95/EC, EN 60950-1:2006, IEC 60950-1:2005) FCC47 CFR part 15, subpart B

EMC: EN 55022:2006, EN 55024:1998, CISPR 22:2005, CISPR 24:1997

Canada: ICES-003

Australia/New Zealand: AS/NZS CISPR 22

CE

RoHS

WEEE



## CONTACT

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## OPTIONS

- T4500 2.30 GHz 800MHz FSB Intel Dual Core Processor (operating temperature with dual core processor: -10° to 45°C / 14° to 113°F)
- Optional 4GB DDR2 PC2-5300 SO-DIMM System Memory (only in conjunction with the Dual Core processor)
- Solid State SATA hard drive
- Up to 1TB Hard Drive Available
- Can Support Dual Hard Drives
- CANbus
- Windows Embedded Standard or Windows 7
- Alternate Touch Screen Technologies: Capacitive or Armor Touch
- Sunlight Readable 1500 nits (cd/m<sup>2</sup>), Low Power,

High Reliability Solid State LED Backlighting (will require a thermal dissipation heat-sink on rear of enclosure)

- Wireless Connection
- Optical Bonding for added Shock & Vibration protection and/or reduced solar reflectivity (VBOND)
- Fan-less Design (will require a thermal dissipation heat-sink on rear of enclosure)
- Optional Operating: -20°C (-4°F) to 70°C (131F)
- 6 to 32V DC Power Supply
- For Rear Exiting connectors please see VTPC150VSR
- \* Available with adjustable tilt pedestal